

Converting Colors

XYZ(20.4800, 10.3947, 8.3290)

Have a look what the booklet for
XYZ(20.4800, 10.3947, 8.3290)
contains.

XYZ(20.4673, 10.3883, 8.3235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4673, 10.3883,
8.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	B5004F
RGB	181, 0, 79
RGB Percent	71%, 0%, 31%
CMY	0.2902, 0.9999, 0.6902
CMYK	0.00, 1.00, 0.56, 0.29
HSL	334°, 100%, 35%
HSV	334°, 100%, 71%
XYZ	20.4673, 10.3883, 8.3235
YIQ	63.1250, 82.5170, 62.9410

Conversions

Conversions Part 2

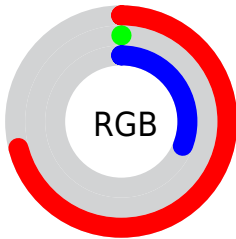
Format	Color
RYB	181, 0, 79
Decimal	11862095
CIELab	38.53, 64.65, 9.14
CIElCh	39, 65.291, 8.044
Yxy	10.3883, 0.5224, 0.2651
Android (android.graphics.Color)	4290052175 (0xFFB5004F)
YUV	63.1250, 7.8264, 103.3764
Hunter-Lab	32.2309, 56.9473, 7.2502

Details

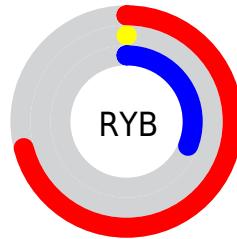
The XYZ color **20.4673, 10.3883, 8.3235** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.9241, 34.0077, 18.1458**, and the grayscale version is **4.7261, 4.9722, 5.4147**.

A 20% lighter version of the original color is **43.8757, 26.6478, 23.2531**, and **8.1885, 4.1863, 1.9666** is the 20% darker color. If you saturate the color by 10%, you get **20.4665, 10.3879, 8.3199**, and if you desaturate by 10%, it is **21.0861, 10.9853, 10.5047**.

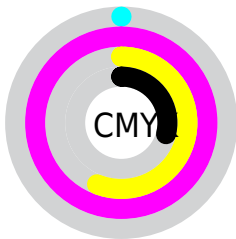
Distribution



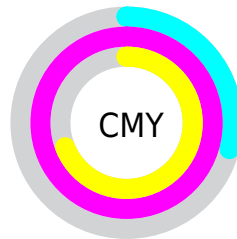
- Red (71%)
- Green (0%)
- Blue (31%)



- Red (71%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4673, 10.3883, 8.3235 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.4673, 10.3883, 8.3235 by changing the saturation by 10% instead.


 20.4673, 10.3883,
8.3235


 20.4673, 10.3883,
8.3235


247.2194,
193.4214, 188.2762

 12.8454, 5.6572,
4.2119


 43.6973, 26.5233,
23.1468


 7.3984, 2.6378,
1.7423


 60.0360, 38.6960,
34.6956


 3.7610, 0.9457,
0.3895

 80.0112, 54.1180,
49.5605

 1.5679, 0.0000,
0.0000

 103.9880, 73.1737,
68.1601

 0.3713, 0.0000,
0.0000

 132.3319, 96.2475,
90.9129

 0.0000, 0.0000,
0.0000

 165.4082,

123.7238, 118.2375

203.5822,
155.9870, 150.5524

■ 20.4673, 10.3883,
8.3235

■ 20.4673, 10.3883,
8.3235

■ 20.4665, 10.3879,
8.3199

■ 21.0861, 10.9853,
10.5047

■ 21.9654, 12.0082,
13.0660

■ 23.1837, 13.6104,
16.0447

■ 24.7799, 15.8661,
19.4645

■ 26.7871, 18.8383,
23.3467

■ 29.2348, 22.5826,
27.7107

■ 32.1493, 27.1490,
32.5747

■ 35.5550, 32.5833,
37.9556

■ 39.4745, 38.9277,
43.8698

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.6402, 10.3883, 22.6074



20.4673, 10.3883, 8.3235



17.8747, 10.3883, 2.1172

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4673, 10.3883, 8.3235



5.6215, 10.3883, 1.0522



7.1058, 10.3883, 50.2662

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.4673, 10.3883, 8.3235



18.9241, 34.0077, 18.1458

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.7080, 10.3883, 32.9353



20.4673, 10.3883, 8.3235



4.0396, 10.3883, 4.5901

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.4673, 10.3883, 8.3235



8.7665, 10.3883, 0.1247



3.7620, 10.3883, 14.9396



11.0706, 10.3883, 54.3657

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.4673, 10.3883, 8.3235



14.9003, 10.3883, 0.7715



3.7620, 10.3883, 14.9396



6.1278, 10.3883, 45.3993

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.4676, 10.3889, 8.3237



57.2864, 48.1609, 57.8655



13.5483, 6.0215, 44.1639



11.8954, 9.6438, 11.7066



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4676, 10.3889, 8.3237



36.5457, 18.5608, 14.3232



19.1547, 10.0209, 0.9256



8.6452, 8.5648, 9.6302



14.1429, 7.1747, 5.9124



0.4745, 0.2375, 0.3413

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.4676, 10.3889, 8.3237



36.5457, 18.5608, 14.3232



23.0841, 32.8228, 48.8345



8.6452, 8.5648, 9.6302



14.1429, 7.1747, 5.9124



0.4745, 0.2375, 0.3413

Previews

White Background



This preview shows how the XYZ color 20.4673, 10.3883, 8.3235 looks on a white background.

Color Contrast Check

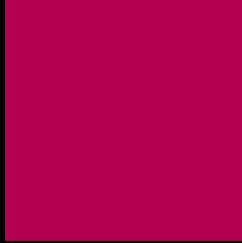
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4673, 10.3883, 8.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4673, 10.3883, 8.3235

Background



This preview shows how black text looks on a background with the XYZ color 20.4673, 10.3883, 8.3235.



This preview shows how white text looks on a background with the XYZ color 20.4673, 10.3883,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.4673, 10.3883, 8.3235

Protanopia

11.0334, 11.1412, 17.7886

Deuteranopia

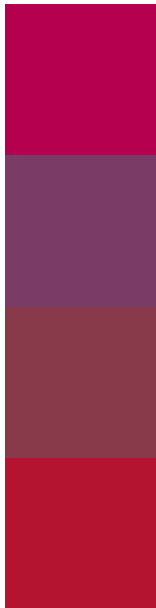
11.2239, 11.0823, 7.5088



Tritanopia

19.3542, 10.7157, 2.3446

Trichromacy



Original Color

20.4673, 10.3883, 8.3235

Protanomaly

11.9883, 8.2248, 13.5261

Deuteranomaly

12.8525, 8.6549, 7.4717

Tritanomaly

19.6060, 10.4170, 3.7736

Monochromacy



Original Color

20.4673, 10.3883, 8.3235

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.7768, 5.0114, 6.1876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4673, 10.3883, 8.3235 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 79)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 20.4673, 10.3883, 8.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 0, 79) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(181, 0, 79) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(181, 0, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4673, 10.3883, 8.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 79) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181, 0,  
79) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor